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Agricultural Chemical Usage 2005 Fruit Summary

The information in this publication comes from the ninth Fruit Summary in the series of "Agricultural Chemical Usage" reports issued by the National Agricultural Statistics Service (NASS). This report contains statistics for on-farm use of agricultural chemicals on blueberries and peaches in New Jersey (as well as the other states in the program for these two commodities). The information in this publication is made possible by the voluntary cooperation of New Jersey blueberry and peach producers. We go to the best source for the information, the producer.

Blueberry bearing acreage in New Jersey during the 2005 growing season totaled 7,500 acres Eighty-five percent of the acreage received an insecticide application, while 82 percent received a fungicide application. Only 48 percent of the blueberry acreage in New Jersey received a herbicide application. The number one insecticide active ingredient used on blueberries was phosmet, with 43 percent of the acreage receiving 2.2 applications at a rate of 0.9 pounds per acre. Seventy percent of the blueberry acreage in New Jersey received 2.8 applications of the fungicide active ingredient ziram with an application rate of 2.9 pounds per acre, for a total of 42,600 pounds applied to the blueberry crop during the 2005 growing season. The second most popular fungicide active ingredient used on blueberries was captan, with 48 percent of the acreage receiving 11.5 pounds per acre.

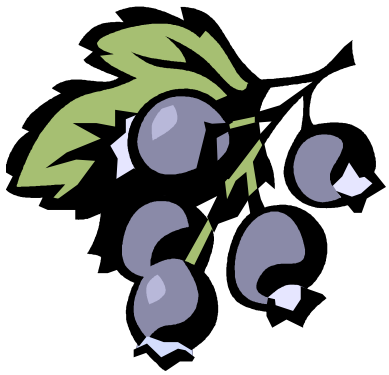
Peach bearing acreage in New Jersey during the 2005 growing season totaled 7,400 acres. Ninety-eight percent of the peach acreage received an application of insecticides, while 77 percent received fungicide, and only 20 percent received an application of herbicides. The number one fungicide used on the peach acreage in New Jersey was sulfur, which was used on 72 percent of the acreage, and applied on average 7.7 times at a rate of 6.1 pounds per acre, for a total application rate for the crop year at 46.8 pounds per acre. The pounds of sulfur applied to the peach acreage here in New Jersey totaled 248,300. The second and third fungicides most frequently applied to the peach acreage were captan and chlorothanlonil. The insecticide azinphos-methyl was applied to 67 percent of the peach acreage to control insect damage to the crop. On average, each of those acres received 3.7 applications, with a rate per application of 0.4 pounds per acre, for a total rate per crop year per acre of 1.4 pounds per acre.

The full report, which includes information on 24 fruit crops in 13 states, can be found on the NASS website. The website is www.nass.usda.gov. Please see the back page of this publication for further details.

Blueberries: Agricultural Chemicals Applications, New Jersey, 2005 1/

Active Ingredient	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	Percent	*Number*	*Pounds per Acre*	*Pounds per Acre*	*1,000 lbs*
Herbicides					
Diuron	33	1.0	1.383	1.393	3.5
Oryzalin	16	1.0	1.903	1.903	2.3
Norflurazon	41	1.0	2.578	2.647	8.2
Terbacil	44	1.2	1.012	1.211	4.0
Simazine	15	1.0	2.356	2.399	2.6
Insecticides					
Diazinon	39	1.7	0.990	1.719	5.0
Esfenvalerate	9	1.4	0.046	0.067	(2/)
Malathion	11	2.0	1.310	2.662	2.1
Phosmet	43	2.2	0.874	1.937	6.2
Fungicides					
Azoxystrobin	35	2.2	0.206	0.447	1.2
Boscalid	15	1.0	0.020	0.020	(2/)
Calcium polysulfide	13	1.0	10.875	10.875	10.8
Captan	48	5.0	2.289	11.496	41.3
Fenbuconazole	27	1.4	0.091	0.130	0.3
Pyraclostrobin	16	1.0	0.004	0.004	(2/)
Ziram	70	2.8	2.909	8.160	42.6

1/ Bearing acres in 2005 for New Jersey were 7,500 acres.
2/ Total applied is less than 50 lbs.



Blueberries: Pesticide, Bearing Acreage, Percent of Area Receiving Applications and Total Applied, Program States and Total, 2005

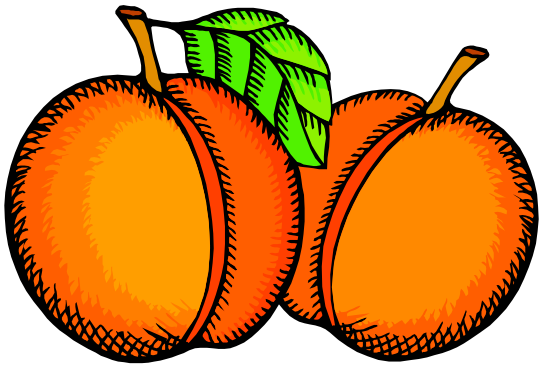
State	Bearing Acreage	Percent of Area Receiving and Total Applied							
		Herbicide		Insecticide		Fungicides		Other Chemicals	
	Acres	*Percent*	*1,000 lbs*	*Percent*	*1,000 lbs*	*Percent*	*1,000 lbs*	*Percent*	*1,000 lbs*
Georgia	6,000	66	11.8	79	13.1	84	19.3	47	2.6
Michigan	16,800	52	16.5	91	65.8	85	103.7	2	0.2
New Jersey	**7,500**	**48**	**22.6**	**85**	**28.5**	**82**	**97.8**	**12**	**3.9**
North Carolina 1/	5,000	87	8.9	98	23.1	95	11.1		
Oregon	3,800	69	12.1	53	8.8	79	26.7	14	0.1
Total	39,100	59	71.9	85	139.3	85	258.6	13	6.9

1/ Insufficient reports to publish data for other chemicals.

Peaches: Agricultural Chemicals Applications, New Jersey, 2005 1/

Active Ingredient	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	Percent	*Number*	*Pounds per Acre*	*Pounds per Acre*	*1,000 lbs*
Herbicides					
Diuron	16	1.0	0.456	0.456	0.6
Glyphosate, iso.salt	2	1.0	1.331	1.331	0.2
Norflurazon	3	1.1	2.144	2.292	0.5
Paraquat	16	1.0	0.412	0.416	0.5
Simazine	1	1.1	1.899	2.158	0.2
Terbacil	16	1.0	0.641	0.641	0.8
Insecticides					
Azinphos-methyl	67	3.7	0.382	1.395	7.0
Carbaryl	24	1.9	0.369	0.687	1.2
Chlorpyrifos	45	1.0	0.509	0.509	1.7
Endosulfan	25	2.0	0.701	1.415	2.6
Esfenvalerate	30	7.3	0.014	0.103	0.2
Imidacloprid	1	1.6	0.048	0.079	(2/)
Methomyl	41	3.0	0.447	1.349	4.1
Petroleum distillate	31	1.0	11.197	11.197	25.8
Petroleum oil	46	1.0	13.730	13.730	47.1
Phosmet	47	4.1	1.351	5.473	19.2
Fungicides					
Captan	67	6.1	1.247	7.545	37.1
Chlorothalonil	51	3.1	1.399	4.275	16.2
Copper resinate	43	11.8	0.014	0.170	0.5
Cyprodinil	20	1.5	0.229	0.351	0.5
Fenbuconazole	44	3.7	0.060	0.219	0.7
Myclobutanil	38	4.7	0.027	0.126	0.4
Oxytetracycline	25	6.3	0.165	1.033	1.9
Propiconazole	26	3.4	0.119	0.403	0.8
Sulfur	72	7.7	6.112	46.789	248.3
Thiophanate-methyl	26	5.0	0.643	3.234	6.3
Ziram	14	1.8	1.919	3.422	3.5

1/ Bearing acres in 2005 for New Jersey were 7,400 acres.
2/ Total applied is less than 50 lbs.



Peaches: Pesticide, Bearing Acreage, Percent of Area Receiving Applications and Total Applied, Program States and Total, 2005

State	Bearing Acreage	Area Receiving and Total Applied							
		Herbicide		Insecticide		Fungicides 1/		Other Chemicals	
	Acres	*Percent*	*1,000 lbs*	*Percent*	*1,000 lbs*	*Percent*	*1,000 lbs*	*Percent*	*1,000 lbs*
California	66,400	55	71.1	72	1,078.9	73	841.0	13	551.4
Georgia 2/	11,500	51	14.9	100	258.4	99	457.0		
Michigan	5,000	40	4.0	88	14.4	94	93.6	21	0.1
New Jersey 2/	**7,400**	**20**	**3.0**	**98**	**114.6**	**77**	**319.6**		
Pennsylvania	4,500	30	3.5	75	24.6	81	71.3	1	(3/)
South Carolina	14,000	78	53.9	95	288.3	95	758.5	7	1.9
Texas 2/	6,000	20	4.5	53	47.6	49	26.2		
Total	114,800	52	154.9	79	1,826.8	79	2,567.2	10	553.6

1/ Total applied excludes Bt's (Bacillus thuringiensis) and other biologicals. Quantities are not available because amounts of active ingredient are not comparable between products.
2/ Insufficient reports to publish data for one or more pesticide classes.
3/ Total applied is less than 50 lbs.

Agricultural Statistics & Other Information from NASS

National reports are the most timely source of statistics, although state reports may have more local information.

Internet....

NASS national & state reports and data are available on the worldwide Internet.

National Homepage: **www.nass.usda.gov**

The national homepage has links to all agency products and services such as publications, graphics, historic data, state information, statistical research, Census of Agriculture, a search engine and a Published Estimates Data Base to query and download state or county historic data. There are also links to our Customer Service unit, a Kids Page, and all other federal statistics outside the National Agricultural Statistics Service.

For a monthly summary of USDA estimates, forecasts and projections of commodities, prices, trade issues, and world crop developments, see:

www.usda.gov/nass/pubs/nassfact.htm

New Jersey Homepage: **www.nass.usda.gov/nj**

The New Jersey site offers much of the same information as the national homepage but in a format designed for New Jersey customers. The reports contain the same statistics but offer more details about agriculture in the New Jersey region. There are also state-funded reports that are not available on the national website, such as the Jersey Fresh Fruit and Vegetable release. Links are also available to other sites such as the New Jersey Department of Agriculture and other NASS field offices.

Internet Access:

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www.nass.usda.gov/Statistics_by_State/New_Jersey/Subscribe_to_NJ_Reports/index.asp